```
---- ExifTool ----
ExifTool Version Number         : 13.36
---- System ----
File Name                       : light-and-relic_arknight-shard_surface-structure_halftone-
material_fragment.png
Directory                       : .
File Size                       : 11 MB
File Modification Date/Time     : 2025:12:22 18:38:01+01:00
File Access Date/Time           : 2025:12:22 18:38:21+01:00
File Inode Change Date/Time     : 2025:12:22 18:38:20+01:00
File Permissions                : -rw-r--r--
---- File ----
File Type                       : PNG
File Type Extension             : png
MIME Type                       : image/png
---- PNG ----
Image Width                     : 1223
Image Height                    : 1834
Bit Depth                       : 16
Color Type                      : RGB
Compression                     : Deflate/Inflate
Filter                          : Adaptive
Interlace                       : Noninterlaced
Profile Name                    : Adobe RGB (1998)
---- ICC-header ----
Profile CMM Type                : Adobe Systems Inc.
Profile Version                 : 2.1.0
Profile Class                   : Display Device Profile
Color Space Data                : RGB
Profile Connection Space        : XYZ
Profile Date Time               : 1999:06:03 00:00:00
Profile File Signature          : acsp
Primary Platform                : Apple Computer Inc.
CMM Flags                       : Not Embedded, Independent
Device Manufacturer             : none
Device Model                    :
Device Attributes               : Reflective, Glossy, Positive, Color
Rendering Intent                : Perceptual
Connection Space Illuminant     : 0.9642 1 0.82491
Profile Creator                 : Adobe Systems Inc.
Profile ID                      : 0
---- ICC_Profile ----
Profile Copyright               : Copyright 1999 Adobe Systems Incorporated
Profile Description             : Adobe RGB (1998)
Media White Point               : 0.95045 1 1.08905
Media Black Point               : 0 0 0
Red Tone Reproduction Curve     : (Binary data 14 bytes, use -b option to extract)
Green Tone Reproduction Curve   : (Binary data 14 bytes, use -b option to extract)
Blue Tone Reproduction Curve    : (Binary data 14 bytes, use -b option to extract)
Red Matrix Column               : 0.60974 0.31111 0.01947
Green Matrix Column             : 0.20528 0.62567 0.06087
Blue Matrix Column              : 0.14919 0.06322 0.74457
---- PNG-pHYs ----
Pixels Per Unit X               : 11811
```

Pixels Per Unit Y : 11811
Pixel Units : meters
---- XMP-x ----
XMP Toolkit : Adobe XMP Core 9.1-c003 79.9690a87fc, 2025/03/06-20:50:16
---- XMP-xmp ----
Rating : 1
Creator Tool : Adobe Photoshop Lightroom Classic 15.0.1 (Macintosh)
Modify Date : 2025:12:22 18:38:00+01:00
Create Date : 2025:12:22 13:33:02
Metadata Date : 2025:12:22 18:38:00+01:00
---- XMP-xmpMM ----
Document ID : adobe:docid:photoshop:4e934f3d-0538-574a-86fb-e8aa36cffab1
Instance ID : xmp.iid:01594fb2-2a46-4849-af68-e5d57b0fc348
Preserved File Name : DSC09496.ARW
Original Document ID : urn:uuid:63aab731-66ce-40d7-be3a-78a2eee7df8e
History Action : derived, saved, saved, converted, derived, saved, saved
History Parameters : converted from image/x-sony-arw to image/tiff, saved to new location, from image/tiff to image/png, converted from image/tiff to image/png
History Instance ID : xmp.iid:6bd8e8f7-33d3-4f85-8a4f-8e6034b41b36, xmp.iid:2051001f-f530-40a2-a7bf-1da78ee672df, xmp.iid:b403c5b0-d0b3-4bb9-8b1e-4f397dc23979, xmp.iid:01594fb2-2a46-4849-af68-e5d57b0fc348
History When : 2025:12:22 16:39:14+01:00, 2025:12:22 16:45:47+01:00, 2025:12:22 16:45:47+01:00, 2025:12:22 18:38:00+01:00
History Software Agent : Adobe Photoshop Lightroom Classic 15.0.1 (Macintosh), Adobe Photoshop 27.1 (Macintosh), Adobe Photoshop 27.1 (Macintosh), Adobe Photoshop 27.1 (Macintosh)
History Changed : /, /, /, /
Derived From Instance ID : xmp.iid:2051001f-f530-40a2-a7bf-1da78ee672df
Derived From Document ID : xmp.did:6bd8e8f7-33d3-4f85-8a4f-8e6034b41b36
Derived From Original Document ID: urn:uuid:63aab731-66ce-40d7-be3a-78a2eee7df8e
---- XMP-aux ----
Lens Info : 90mm f/2.8
Lens : FE 90mm F2.8 Macro G OSS
Lens Distort Info : 1066953525/1073741824 8839068/1073741824 -2386561/1073741824 297796/1073741824
Distortion Correction Already Applied: True
Lateral Chromatic Aberration Correction Already Applied: True
Vignette Correction Already Applied: True
---- XMP-exifEX ----
Lens Model : FE 90mm F2.8 Macro G OSS
---- XMP-photoshop ----
Date Created : 2025:12:22 13:33:02.141+01:00
Color Mode : RGB
ICC Profile Name : Adobe RGB (1998)
Legacy IPTC Digest : B187A9375217652FF0CD953056EA485D
City : Hanover
State : Lower Saxonie
Country : Germany
Authors Position : Photographer and owner of the card
Caption Writer : Sebastian Blume
Credit : ©2025 Sebastian Blume – Light and Relic Project.
---- XMP-dc ----
Format : image/png
Creator : Sebastian Blume

Rights : ©2025 Sebastian Blume. All rights reserved
Title : Surface structure with halftone dots (material + print)
Description : Macro photograph showing halftone printing dots and surface texture of a cold-foil trading card.
Subject : cold foil, halftone dots, CMYK printing, offset print, print raster, surface texture, card material, substrate, macro photography, trading card
---- XMP-xmpDM ----
Pick : 0
---- XMP-crs ----
Raw File Name : DSC09496.ARW
Version : 18.0
Process Version : 15.4
White Balance : Custom
Color Temperature : 5450
Tint : +28
Exposure 2012 : +0.40
Contrast 2012 : 0
Highlights 2012 : +40
Shadows 2012 : 0
Whites 2012 : 0
Blacks 2012 : 0
Texture : 0
Clarity 2012 : 0
Dehaze : 0
Vibrance : 0
Saturation : 0
Parametric Shadows : 0
Parametric Darks : 0
Parametric Lights : 0
Parametric Highlights : 0
Parametric Shadow Split : 25
Parametric Midtone Split : 50
Parametric Highlight Split : 75
Sharpness : 91
Sharpen Radius : +1.0
Sharpen Detail : 25
Sharpen Edge Masking : 0
Luminance Smoothing : 0
Color Noise Reduction : 25
Color Noise Reduction Detail : 50
Color Noise Reduction Smoothness: 50
Hue Adjustment Red : 0
Hue Adjustment Orange : 0
Hue Adjustment Yellow : 0
Hue Adjustment Green : 0
Hue Adjustment Aqua : 0
Hue Adjustment Blue : 0
Hue Adjustment Purple : 0
Hue Adjustment Magenta : 0
Saturation Adjustment Red : 0
Saturation Adjustment Orange : 0
Saturation Adjustment Yellow : 0
Saturation Adjustment Green : 0
Saturation Adjustment Aqua : 0

Saturation Adjustment Blue : 0
Saturation Adjustment Purple : 0
Saturation Adjustment Magenta : 0
Luminance Adjustment Red : 0
Luminance Adjustment Orange : 0
Luminance Adjustment Yellow : 0
Luminance Adjustment Green : 0
Luminance Adjustment Aqua : 0
Luminance Adjustment Blue : 0
Luminance Adjustment Purple : 0
Luminance Adjustment Magenta : 0
Split Toning Shadow Hue : 0
Split Toning Shadow Saturation : 0
Split Toning Highlight Hue : 0
Split Toning Highlight Saturation: 0
Split Toning Balance : 0
Color Grade Midtone Hue : 0
Color Grade Midtone Sat : 0
Color Grade Shadow Lum : 0
Color Grade Midtone Lum : 0
Color Grade Highlight Lum : 0
Color Grade Blending : 50
Color Grade Global Hue : 0
Color Grade Global Sat : 0
Color Grade Global Lum : 0
Auto Lateral CA : 0
Lens Profile Enable : 1
Lens Manual Distortion Amount : 0
Vignette Amount : 0
Defringe Purple Amount : 0
Defringe Purple Hue Lo : 30
Defringe Purple Hue Hi : 70
Defringe Green Amount : 0
Defringe Green Hue Lo : 40
Defringe Green Hue Hi : 60
Perspective Upright : Off
Perspective Vertical : 0
Perspective Horizontal : 0
Perspective Rotate : 0.0
Perspective Aspect : 0
Perspective Scale : 100
Perspective X : 0.00
Perspective Y : 0.00
Grain Amount : 0
Post Crop Vignette Amount : 0
Shadow Tint : 0
Red Hue : 0
Red Saturation : 0
Green Hue : 0
Green Saturation : 0
Blue Hue : 0
Blue Saturation : 0
HDR Edit Mode : 0
Override Look Vignette : False

Tone Curve Name 2012 : Linear
Camera Profile : Adobe Standard
Camera Profile Digest : A4DC20C59DE4E2DF67946B80BFDA0801
Lens Profile Setup : LensDefaults
Lens Profile Name : Adobe (Sony FE 90mm F2.8 Macro G OSS)
Lens Profile Filename : SONY (Sony FE 90mm F2.8 Macro G OSS) - RAW.lcp
Lens Profile Digest : 6968B854762E40E42FB3AA0E9D1E1B01
Lens Profile Is Embedded : False
Lens Profile Distortion Scale : 100
Lens Profile Vignetting Scale : 100
Has Settings : True
Crop Top : 0
Crop Left : 0.068251
Crop Bottom : 1
Crop Right : 0.931749
Crop Angle : 3.98
Crop Constrain To Warp : 0
Crop Constrain To Unit Square : 1
Has Crop : True
Already Applied : True
Tone Curve PV2012 : 0, 0, 255, 255
Tone Curve PV2012 Red : 0, 0, 255, 255
Tone Curve PV2012 Green : 0, 0, 255, 255
Tone Curve PV2012 Blue : 0, 0, 255, 255
Point Colors : -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000
Color Variance : -50.000000
Look Name : Adobe Color
Look Amount : 1
Look UUID : B952C231111CD8E0ECCF14B86BAA7077
Look Supports Amount : false
Look Supports Monochrome : false
Look Supports Output Referred : false
Look Copyright : © 2018 Adobe Systems, Inc.
Look Group : Profiles
Look Parameters Version : 18.0
Look Parameters Process Version : 15.4
Look Parameters Convert To Grayscale: False
Look Parameters Camera Profile : Adobe Standard
Look Parameters Look Table : E1095149FDB39D7A057BAB208837E2E1
Look Parameters Tone Curve PV2012: 0, 0, 22, 16, 40, 35, 127, 127, 224, 230, 240, 246, 255, 255
Look Parameters Tone Curve PV2012 Red: 0, 0, 255, 255
Look Parameters Tone Curve PV2012 Green: 0, 0, 255, 255
Look Parameters Tone Curve PV2012 Blue: 0, 0, 255, 255
Look Parameters Point Colors : -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000, -1.000000
Look Parameters Color Variance : -50.000000
---- XMP-tiff ----
Image Width : 6361
Image Height : 4241
Compression : Uncompressed

Photometric Interpretation : RGB
Samples Per Pixel : 3
Planar Configuration : Chunky
X Resolution : 300
Y Resolution : 300
Resolution Unit : inches
Make : SONY
Camera Model Name : ILCE-7M4
Bits Per Sample : 16, 16, 16
---- XMP-exif ----
Exif Version : 0232
Color Space : Uncalibrated
Date/Time Original : 2025:12:22 13:33:02
Exposure Time : 1/160
F Number : 11.0
Exposure Program : Manual
Shutter Speed Value : 1/160
Aperture Value : 11.0
Brightness Value : 7.78671875
Exposure Compensation : 0
Max Aperture Value : 2.8
Metering Mode : Multi-segment
Light Source : Unknown
Focal Length : 90.0 mm
Focal Plane X Resolution : 1966.83773803711
Focal Plane Y Resolution : 1966.83773803711
Focal Plane Resolution Unit : cm
File Source : Digital Camera
Scene Type : Directly photographed
Custom Rendered : Normal
Exposure Mode : Manual
White Balance : Auto
Digital Zoom Ratio : 1
Focal Length In 35mm Format : 90 mm
Scene Capture Type : Standard
Contrast : Normal
Saturation : Normal
Sharpness : Normal
Sub Sec Time Original : 141
Sub Sec Time Digitized : 141
Lens : FE 90mm F2.8 Macro G OSS
Sensitivity Type : 2
Recommended Exposure Index : 125
ISO : 125
Flash Fired : False
Flash Return : No return detection
Flash Mode : Off
Flash Function : False
Flash Red Eye Mode : False
---- XMP-xmpRights ----
Marked : True
Web Statement : https://lightandrelic.com/

Usage Terms : © Sebastian Blume. This image may only be used in connection with the Light and Relic project. Any reproduction, distribution, or modification requires prior written permission.
---- XMP-iptcCore ----
Country Code : DE
Creator City : Hanover
Creator Region : Lower Saxony
Creator Postal Code : 30519
Creator Country : Germany
Creator Work URL : https://lightandrelic.com/
Ext Descr Accessibility : This image shows a magnified section of a cold-foil trading card surface. Visible are CMYK halftone dots created by offset printing, interacting with the textured card substrate. Variations in dot shape, density, and reflectivity are influenced by the underlying material structure and surface relief. The fragment documents the physical relationship between print raster and card material.
Alt Text Accessibility : Macro view of halftone printing dots on a textured cold-foil trading card surface.
---- XMP-iptcExt ----
Digital Source Type : http://cv.iptc.org/newscodes/digitalsourcetype/digitalCapture
---- XMP-plus ----
Image Creator Name : Blume Sebastian
Copyright Owner Name : Blume Sebastian
---- Composite ----
Aperture : 11.0
Image Size : 1223x1834
Megapixels : 2.2
Scale Factor To 35 mm Equivalent: 1.0
Shutter Speed : 1/160
Flash : Off, Did not fire
Circle Of Confusion : 0.030 mm
Field Of View : 22.6 deg
Focal Length : 90.0 mm (35 mm equivalent: 90.0 mm)
Hyperfocal Distance : 24.51 m
Light Value : 13.9
Lens ID : FE 90mm F2.8 Macro G OSS